

OCT. 5. 2005 2:02PM 312 616 5700

NO. 9233 P. 1

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**FACSIMILE COVER SHEET**

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DATE: OCTOBER 5, 2005

NUMBER OF PAGES (INCLUDING  
THIS TRANSMITTAL COVER SHEET): 11

TIME:

OUR REFERENCE: 223592

FROM: CHRISTOPHER T. GRIFFITH/ CM

DIRECT LINE: 312-616-5600

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To: EXAMINER LING X. Xu  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

FACSIMILE NUMBER: 571-273-8300

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IN RE APPLN. OF: ANDRIESSEN  
APPLICATION NO. 10/628,618  
FILED: July 28, 2003  
FOR: NANO-POROUS METAL OXIDE SEMICONDUCTOR  
SPECTRALLY SENSITIZED WITH METAL OXIDE  
CHALCOGENIDE NANO-PARTICLES  
GROUP ART UNIT: 1775  
EXAMINER: Ling X. Xu

**ATTACHED PLEASE FIND THE FOLLOWING DOCUMENTS:**

AMENDMENT TRANSMITTAL ( 1 PAGE IN DUPLICATE )

REPLY TO OFFICE ACTION ( 8 PAGES )

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FaxPTO-Assignment (2/9/2001)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application No. 10/628,618

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Applicant: Andriessen et al.

OCT 05 2005

Filed: July 28, 2003

TC/AU: 1775

Examiner: Xu, Ling X.

Docket No.: 223592 (Client Reference No. GN 02090 OCONNANOSENS-1)

Customer No.: 23460

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

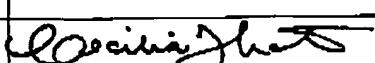
## REPLY TO OFFICE ACTION

Sir:

In reply to the Office Action dated August 10, 2005, please enter the following amendments and consider the following remarks.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 6 of this paper.

MAILING/TRANSMISSION CERTIFICATE UNDER 37 CFR 1.8 OR 1.10			
I hereby certify that this document and all accompanying documents are, on the date indicated below, being <input type="checkbox"/> deposited with the U.S. Postal Service using "Express Mail" service in an envelope addressed in the same manner indicated on this document with Express Mail Label Number <input type="checkbox"/> deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed in the same manner indicated on this document, or <input checked="" type="checkbox"/> facsimile transmitted to the U.S. Patent and Trademark Office at fax number: (571) 273-8300.			
Name (Print/Type)	Cecilia Mateo		
Signature		Date	October 5, 2005

OCT. 5. 2005 2:04PM 312 616 5700  
FIRING F10-1000

NO. 9233 P. 10 **PATENT**  
Attorney Docket No. 223592  
Client Reference No. GN 02090 Oconnanoses-1  
Date: October 5, 2005

In re Application of: Andriessen  
Application No. 10/628,618  
Filed: July 28, 2003  
For: NANO-POROUS METAL OXIDE SEMICONDUCTOR SPECTRALLY SENSITIZED WITH METAL CHALCOGENIDE NANO-PARTICLES

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

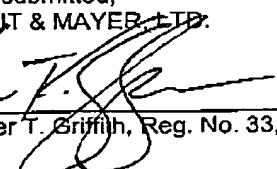
Transmitted herewith is a response to an office action in the subject application.

- Small entity status is claimed for this application under 37 CFR 1.27.
- Petition for an extension of time for the period noted below, as well as for any additional period necessary to render the present submission timely. Please charge Deposit Account No. 12-1216 for the appropriate petition fee.
- Other:
- Please charge Deposit Account No. 12-1216 in the total amount indicated below. A duplicate copy of this transmittal sheet is enclosed herewith.

					SMALL ENTITY	OTHER THAN A SMALL ENTITY		
TIME EXTENSION PETITION FEE		none			\$ 0.00	\$ 0.00		
	subtract time extension fee previously paid	none			(\$ 0.00)	(\$ 0.00)		
CLAIM FEE	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	EXTRA CLAIMS PRESENT	RATE	ADDT. CLAIM FEE	RATE	ADDT. CLAIM FEE
TOTAL	18	MINUS	22	=0	x 9=	\$	x 18=	\$
INDEPENDENT	6	MINUS	6	=0	x 43=	\$	x 86=	\$
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE CLAIM					+ 145=	\$	+ 290=	\$
<b>TOTAL AMOUNT TO BE CHARGED TO DEPOSIT ACCOUNT</b>					<b>TOTAL</b>	<b>\$</b>	<b>TOTAL</b>	<b>\$0</b>

- The Commissioner is hereby authorized to charge any deficiencies in the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-1216.
- Any filing fees under 37 CFR 1.16 for the presentation of extra claims.
- Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,  
LEYDIG, VOIT & MAYER, LTD.

By   
Christopher T. Griffith, Reg. No. 33,392

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Amendment or ROA Transmittal (Revised 10/1/03)

OCT. 5. 2005 2:04PM 312 616 5700

FORM PTO-1083

NO. 9233 P. 11

PATENT

Attorney Docket No. 223592  
Client Reference No. GN 02090 Oconnanoses-1  
Date: October 5, 2005

In re Application of: Andriessen

Application No. 10/628,618

Filed: July 28, 2003

For: NANO-POROUS METAL OXIDE SEMICONDUCTOR SPECTRALLY SENSITIZED WITH METAL CHALCOGENIDE NANO-PARTICLES

Mail Stop Amendment

Commissioner for Patents

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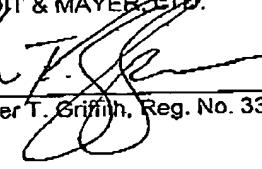
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<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE CLAIM					+ 145=	\$	+ 290=	\$
TOTAL AMOUNT TO BE CHARGED TO DEPOSIT ACCOUNT					TOTAL	\$	TOTAL	\$0

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Amendment or ROA Transmittal (Revised 10/1/03)